

CONTENTS

Volume 57 Number 1 1980

- | | | | |
|--|----|--|----|
| A. R. O. Chapman, J. E. Lindley
Seasonal Growth of <i>Laminaria solidungula</i> in the
Canadian High Arctic in Relation to Irradiance and
Dissolved Nutrient Concentrations | 1 | I. Thompson, D. S. Jones, D. Dreibelbis
Annual Internal Growth Banding and Life History
of the Ocean Quahog <i>Arctica islandica</i> (Mollusca:
Bivalvia) | 25 |
| J. A. Williams
Environmental Influence on the Locomotor Activity
Rhythm of <i>Talitrus saltator</i> (Crustacea: Amphipoda) | 7 | I. Thompson, D. S. Jones, J. W. Ropes
Advanced Age for Sexual Maturity in the Ocean
Quahog <i>Arctica islandica</i> (Mollusca: Bivalvia) | 35 |
| R. R. Dawirs
Elemental Composition (C,N,H) in Larval and Crab-1
Stages of <i>Pagurus bernhardus</i> (Decapoda, Paguridae)
and <i>Carcinus maenas</i> (Decapoda, Portunidae) | 17 | L. E. Clement, M. S. Stekoll, D. G. Shaw
Accumulation, Fractionation and Release of Oil by
the Intertidal Clam <i>Macoma balthica</i> | 41 |
| | | M. S. Stekoll, L. E. Clement, D. G. Shaw
Sublethal Effects of Chronic Oil Exposure on the
Intertidal Clam <i>Macoma balthica</i> | 51 |

Volume 57 Number 2 1980

- | | | | |
|--|----|--|-----|
| G. W. Lopez
Description of the Larval Stages of <i>Tisbe cucumariae</i>
(Copepoda: Harpacticoida) and Comparative Develop-
ment Within the Genus <i>Tisbe</i> | 61 | R. E. Scheibling
Abundance, Spatial Distribution, and Size Structure
of Populations of <i>Oreaster reticulatus</i> (Echinodermata:
Asteroidea) in Seagrass Beds | 95 |
| R. Williams, J. A. Lindley
Plankton of the Fladen Ground During FLEX 76.
I. Spring Development of the Plankton Community | 73 | R. E. Scheibling
Abundance, Spatial Distribution, and Size Structure
of Populations of <i>Oreaster reticulatus</i> (Echinodermata:
Asteroidea) on Sand Bottoms | 107 |
| J. A. Lindley, R. Williams
Plankton of the Fladen Ground During FLEX 76.
II. Population Dynamics and Production of
<i>Thysanoessa inermis</i> (Crustacea: Euphausiacea) | 79 | L. M. Hodgson
Control of the Intertidal Distribution of <i>Gastroclonium
coulteri</i> in Monterey Bay, California, USA | 121 |
| I. M. Davies, J. M. Pirie
Evaluation of a "Mussel Watch" Project for Heavy
Metals in Scottish Coastal Waters | 87 | R. A. Lutz, D. Jablonski, D. C. Rhoads, R. D. Turner
Larval Dispersal of a Deep-Sea Hydrothermal Vent
Bivalve from the Galápagos Rift | 127 |
| | | J. H. Wilson
Particle Retention and Selection by Larvae and Spat
of <i>Ostrea edulis</i> in Algal Suspensions | 135 |

Volume 57 Number 3 1980

- | | | | |
|---|-----|---|-----|
| L. S. Incze, R. A. Lutz, L. Watling
Relationships Between Effects of Environmental
Temperature and Seston on Growth and Mortality
of <i>Mytilus edulis</i> in a Temperate Northern Estuary | 147 | J. D. Icely, J. A. Nott
Accumulation of Copper Within the "Hepatopan-
creatic" Caeca of <i>Corophium volutator</i> (Crustacea:
Amphipoda) | 193 |
| J.-P. Lagardère, M. R. Régnault
Influence du niveau sonore de bruit ambiant sur le
métabolisme de <i>Crangon crangon</i> (Decapoda:
Natantia) en élevage. [Influence of Sound Level of
Ambient Noise on the Metabolism of <i>Crangon</i>
<i>crangon</i> (Decapoda: Natantia) in Culture] | 157 | G. R. W. Denton, H. Marsh, G. E. Heinsohn,
C. Burdon-Jones
The Unusual Metal Status of the Dugong
<i>Dugong dugon</i> | 201 |
| R. L. Haedrich, G. T. Rowe, P. T. Polloni
The Megabenthic Fauna in the Deep Sea South of
New England, USA | 165 | A. F. Holland, N. K. Mountford, M. H. Hiegel,
K. R. Kaumeyer, J. A. Mihursky
Influence of Predation on Infaunal Abundance
in Upper Chesapeake Bay, USA | 221 |
| J. M. Willis, W. G. Pearcy
Spatial and Temporal Variations in the Population
Size Structure of Three Lanternfishes (Myctophidae)
off Oregon, USA | 181 | J. Aiken
A Marine Environmental Recorder | 237 |

Volume 57 Number 4 1980

- | | | | |
|--|-----|--|-----|
| H. J. Dicker, D. W. Smith
Acetylene Reduction (Nitrogen Fixation) in a
Delaware, USA Salt Marsh | 241 | A. D. Ansell, F. Lagardère
Observations on the Biology of <i>Donax trunculus</i>
and <i>D. vittatus</i> at Ile d'Oléron (French Atlantic
Coast) | 287 |
| J. Gordon, M. R. Carriker
Sclerotized Protein in the Shell Matrix of a Bivalve
Mollusc | 251 | R. A. Campbell, R. L. Haedrich, T. A. Munroe
Parasitism and Ecological Relationships Among
Deep-Sea Benthic Fishes | 301 |
| G. L. Hitchcock
Influence of Temperature on the Growth Rate of
<i>Skeletonema costatum</i> in Response to Variations
in Daily Light Intensity | 261 | M. G. Hadfield, C. N. Hopper
Ecological and Evolutionary Significance of Pelagic
Spermatophores of Vermetid Gastropods | 315 |
| G. L. Hitchcock
Diel Variation in Chlorophyll <i>a</i> , Carbohydrate and
Protein Content of the Marine Diatom <i>Skeletonema</i>
<i>costatum</i> | 271 | L. L. Leum, J. H. Choat
Density and Distribution Patterns of the Temperate
Marine Fish <i>Cheilodactylus spectabilis</i>
(Cheilodactylidae) in a Reef Environment | 327 |
| E. E. Deason
Potential Effect of Phytoplankton Colony Breakage
on the Calculation of Zooplankton Filtration Rates | 279 | | |

